

US-PAT-NO: 5483339

DOCUMENT-IDENTIFIER: US 5483339 A

TITLE: Spectrophotometer and  
radiometric measurement apparatus

DATE-ISSUED: January 9, 1996

INVENTOR-INFORMATION:

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PARENT-CASE:

This application is a continuation of U.S.  
patent application Ser. No.  
08/074,007, filed on Jun. 9, 1993, and issued as  
U.S. Pat. No. 5,319,437,  
which is a continuation of U.S. patent application  
Ser. No. 07/736,723, filed  
on Jul. 26, 1991, now abandoned.

US-CL-CURRENT: 356/326, 356/328

ABSTRACT:

A handheld portable spectrophotometer is provided including keys for input of instructions by a user, an illuminator for illuminating a sample, and a spectral analyzer for separating light reflected from the sample into spectral components to produce a signal corresponding to the level of each spectral component. A processor is provided for executing the user instructions and for analyzing the signal. The results of the signal analysis are presented on a display. A power source is provided for providing power for operation of the handheld portable spectrophotometer.

12 Claims, 36 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 21

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US Reference Patent Number - URPN (26):

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US Reference Group - URGP (26):

**4773761** 19880900 Sugiyama et al. 356/405